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important discovery

A highly promising fertilizer, likely to be the first of its kind in the world, has been developed from coal at the Research Council of Alberta, by Dr. J. C. Wood and his associates.

According to Dr. C. F. Bentley, Dean of Agriculture, and Dr. N. Berkowitz, Head of the Research Council's coal research division, the material compares favourably with most synthetic nitrogen fertilizers and, because of its organic nature, it may prove to be of particular value when added to soils deficient in humus.

Tests by University of Alberta soil scientists Drs. Stevan Pawluk and F. D. Cook show that this new fertilizer may prove to be particularly useful in marginally productive agricultural lands. One notable feature of the fertilizer is its ability to release nitrogen at the relatively slow rates at which plants can utilize it. Tests with lawn grasses show that the coal fertilizer gives better yields than ammonium sulphate and suggest that it will neither burn grass nor damage lawns by overdose. Furthermore, it can be applied at any time, regardless of whether the grass is wet or dry.

The Research Council of Alberta has applied for patent coverage of the new material. If further field trials, which are scheduled to be conducted this summer in the Lethbridge and Edmonton areas, confirm present indications, quantities of the fertilizer will be made available in 1966 to selected users who will be asked to evaluate its commercial potential.



From left to right: Dr. J. C. Wood, Dr. F. D. Cook, Dr. N. Berkowitz, Dr. Steven Pawluk.

sandin honored



From left to right: Dr. R. B. Sandin, Mrs. Gunning, Dr. H. E. Gunning.

Staff members in the Department of Chemistry held a special luncheon at the Faculty Club, May 19th to honour Dr. R. B. Sandin, Professor Emeritus of Chemistry. The luncheon was held in order to present him with a special leather-bound copy of the Canadian Journal of Chemistry, May 1965.

This edition was entirely dedicated to Dr. Sandin on the occasion of his 68th birthday which he celebrated May 11th. All 44 papers in the Journal were written by his friends, colleagues, and former students. In publishing this special edition the Canadian Journal of Chemistry was recognizing Dr. Sandin's strong influence on many careers during the past 4 decades. He is a man deeply devoted to those who share his interest in Chemistry and, as a teacher, was a great inspiration to students.

Dr. Sandin, an alumnus of the University of Alberta (B.A. '16), (M.A. '19), began lecturing at the University in 1922. He received his PhD at the University of Chicago in 1924. He worked up the ranks to Full Professor in 1943 and in 1947 was made a Fellow of the Royal Society of Chemists. He has been awarded the Manufacturing Chemists Award and the Chemical Institute of Canada's award for Chemical education. He was to have retired from the University in 1962 but stayed on to teach 2 more years before his formal retirement this year.

faculty notes

sociology



DR. STANLEY TAYLOR, Associate Professor of Sociology, died suddenly May 20 of a heart attack at the age of 59. Although Dr. Taylor had only taught at this University since 1962, he had an outstanding teaching

STANLEY TAYLOR had a long career at a number of other North American universities. He was born in Runcorn, England, and graduated from the Universities of Toronto and Chicago. Following the Second World War he was honoured for distinguished service with the Canadian Army. He published several articles and one book on the classical theories in Sociology and was at work on a second.

His particular strength lay in his knowledge of the theory of sociology and his ability to catch the interest and stimulate the growth of his students. His contributions in the field of theory to senior and graduate students were solid and he will be greatly missed by staff and students alike.

DR. GWYNN NETTLER, Associate Professor of Sociology, will attend the United Nations' Congress on Crime and its Prevention in Stockholm, Sweden this August. He will also meet with criminologists and jurists in selected European and Near Eastern countries as a first step in the international extension of his studies of determinants of "response-to-crime." His visits abroad will include conferences in Geneva at the International Commission of Jurists.

Dr. Nettler's research interests in criminology and social psychology are principally concerned with conditions associated with "deviant behavior" and the consequences of social response to such behaviors. He has taught at the University of Alberta for the past two years, having come here from the Nevada State Department of Health where he served as Senior Clinical Psychologist.



political science

A significant appointment has been approved by the University's Board of Governors. It is that of MR. L. C. GREEN, Dean of Law at the University of Singapore, who has been appointed Full Professor of Political Science. Professor Green is world-renowned in the fields of international law and international relations. His appointment has been made in anticipation of the development of a Centre for International Studies on this campus.

Professor Green, 44, is a distinguished law graduate of the University of London. He is a prolific writer. The casebook in international law which he prepared is widely used on this continent and in Great Britain. It bears the distinction of being one of the very few teaching aids of this sort ever to gain acceptance at Oxford.

During the war he served in the British Army, principally in Intelligence, finishing his Army career as a Major, and having special responsibility in the preparation of legal material for the trial of Far Eastern war criminals. After the war, he joined the Faculty of Laws at University College, London, where he made major contributions in teaching and research. In 1960 he accepted the Chair of International Law at the University of Singapore and more recently became Dean of the Faculty. This is a large law school which has the reputation of being the finest law school in all of south and southeast Asia.

Professor Green's appointment at the University of Alberta becomes effective September 1st of this year.

centennial grants

The Centennial Commission, in co-operation with the Canada Council and the Canada Foundation, is planning a program of grants to authors and associations to encourage the production of publications relating to the Centennial of Confederation.

The following conditions will apply:

- Preference will be given to projects in arts, the social sciences and the humanities. However under exceptional circumstances assistance will be considered for works in other disciplines.
- The maximum individual grant will be \$5,000.
- The book must be published in Canada before September 1967.
- The author must be a Canadian citizen or a resident of Canada since 1962 or represent a Canadian association.
- Applications will be accepted until January 1, 1966.

Information and application forms in connection with this program are available at the following address: Publications Program, Centennial Commission, P. O. Box 1967, Ottawa, Ontario.

psychology



PROF. L. N. WILSON of the Department of Psychology will leave the University to become the first Dean of Women and Associate Professor of Psychology at Simon Fraser University. A native of Lethbridge, Miss

L. N. WILSON received the Bachelor's and Master's degrees in psychology from U. B. C. She did further post-graduate work at the University of Minnesota. She has been on staff at the University of Alberta for the past 14 years and during that time has been extremely active in community work with such organizations as the Edmonton Rehabilitation Centre, the Council of Community Service, and the Y. W. C. A. Council.

A new book entitled "Psychology and the Symbol" has been edited by DR. JOSEPH R. ROYCE, Professor and Head of the Department of Psychology and published by Random House of New York. It is the first interdisciplinary analysis of the implications of the symbol for the understanding of human behavior.

The book is an expanded version of the findings of a symposium, by the same name, of which he was Chairman, held at the Annual Meeting of the Western Psychological Association in San Francisco, 1962. Two of the five contributing authors are from the University of Alberta - Dr. Royce and DR. LUDWIG VON BERTALANFFY, Professor of Theoretical Biology connected with the Departments of Psychology and Zoology. The book, in paperback form, sells for \$1.65. It is available at Hurtig's Bookstore and will soon be sold at the University Bookstore.

history



M. H. LONG

PROF. M. H. LONG, Professor Emeritus and former Head of the History Department, died May 16, 1965 at the age of 78. Professor Long was a graduate of McMaster University, where he won the Governor General's Medal, and

Oxford as a Rhodes Scholar, and was named a Fellow of the Royal Society of Canada in 1949. He joined the staff of the Department of History in September, 1918 and remained on the staff until his formal retirement in 1952, though he continued to teach for a year after his retirement. He was made Professor Emeritus in 1953.

Professor Long was not only a distinguished teacher, but was also a scholar of wide reputation. He had planned a comprehensive "History of the Canadian People" of which Volume I - New France - was published by the Ryerson Press in Toronto in 1942. This work received wide acclaim and is still a classic of its kind. He was devoted to the British connection and was concerned with the historical heritage of Alberta. Many of the historical markers in the province are his work.

Upon hearing the news of his death, President Johns commented, "Professor Long was a kindly man, always interested in his students, his colleagues, and the welfare of the University as a whole. During his long service on the staff he served on many committees both in the Faculty of Arts and Science and in General Faculty Council, and some of the reports he made are still referred to. He will be mourned by a wide circle of friends, including hundreds of former students now scattered throughout the world."

agricultural economics

PAUL A. JENSON, lecturer in agricultural economics, who this year receives his Master's degree, has been awarded a Rockefeller Foundation Fellowship worth \$3,708. He will use this generous Fellowship to carry out studies toward the PhD degree at the University of Chicago.

Mr. Jenson is from Benalto, Alberta, and at one time ran for Parliament in the Red Deer district against Robert Thompson on the N. D. P. ticket. He received his B. Sc. degree from the University of Alberta in 1959, spent one year in Law School, and one year in the Faculty of Education, and taught for two years before beginning work on his master's degree two years ago. His particular field of interest is livestock marketing.

geology

DR. F. A. CAMPBELL of the Geology Department will become the new Head of the Department of Geology on the Calgary campus beginning September 1st. He has resigned his post as Associate Professor on this campus after 7 years on the faculty. At Calgary he will replace Dr. T. A. Oliver who will continue to remain on the staff.

friends' chairman



JOSEPH KATZIN
Houghton G. Thomson and Mr. Stuart Keays.

The Friends of the University is a voluntary organization of interested citizens who, through donation, contribute to special requirements of the University of Alberta such as special research equipment, bursaries and scholarships, and financial aid for certain projects and student activities.

Other members of the Executive Committee are: Dr. Walter H. Johns, Honorary Chairman; Dr. F. P. Galbraith, Chancellor of the University; Miss Carole Smallwood, Vice-President of the Students' Union; Dr. Walter Gainer, Faculty Representative; Mrs. C. E. Learmonth; Mr. G. A. Smithson; Mr. W. B. Jackson; Mr. R. W. Chapman; Mrs. W. J. Downs; Mr. Sam Belzberg; and Mrs. H. J. Esch, Secretary.

relief fund

Violent cyclones and gigantic tidal waves have caused unprecedented havoc in East Pakistan. The death toll has reached twelve thousand. Nearly eight million people in the southern part of East Pakistan have been rendered homeless. It is reported that there is acute shortage of drinking water in the areas where the sea, whipped up by cyclonic winds breached coastal defences and engulfed thousands of acres of crops. Severe famine conditions in the disaster area coupled with water contamination have resulted in the spread of cholera and smallpox.

In this hour of national crisis the government and people of Pakistan are making an appeal to all for help. The Pakistan Students Association on the Campus of the University of Alberta, has set up an East Pakistan Relief Fund to aid the millions of unfortunate victims. Food and medical supplies are desperately needed. Faculty members are urged to make generous donations to the East Pakistan Relief Fund, Box 115, Assiniboia Hall.

pension study

A \$40,000 grant from Carnegie Corporation of New York to the Canadian Universities Foundation will finance a study of Canadian university pension plans. The study directors, who have not yet been named, will consider (a) criteria for effective university plans, (b) how university pension plans may be integrated into the Canadian government's national public pension plan, and (c) the feasibility of establishing a nationwide pension agency for college and university employees.

The decision to make the study grew out of increasing concern over the inadequacy of present pension plans, especially the lack of sufficient hedges against inflation, and the multiplicity of plans, which makes it difficult for a college or university teacher to transfer his benefits when he moves to another institution within Canada or elsewhere.

Dr. Edward F. Sheffield, director of research for the Foundation, chairs the nine-member Pension Study Steering Committee.

canada council awards

Three faculty members have received research grants from the Canada Council to carry out studies in the social sciences. PROFESSOR WAHIDUL HAQUE of the department of Economics will do economic research in Canada and Pakistan. DR. GWYNN NETTLER in Sociology will continue research in "response to crime" in Europe, Lebanon, Israel, Egypt, and Ethiopia. PROFESSOR J. D. WOOD of Geography will do research on documents concerning Scottish immigration to Western Canada.

geography



Mr. Wm. M. Benidickson, Minister of Mines and Technical Surveys, has announced that DR. W. C. WONDERS, Head of the Department of Geography, will serve a three-year term as a member of the newly formed National Advisory Committee on Geographical Research. He is one of ten members selected from Canadian Universities. The objectives of the Committee are to assist in the coordination of geographical research in Canada and to promote the development of geographical research through the recommendation of grants-in-aid.

W. C. WONDERS

calendar of events, june 1st to 15th

June 1 - Annual Alumni Dinner, Jubilee Auditorium, 7 p.m. Tickets on sale in the Alumni Office for \$2.75 per person. An informal dance follows sponsored by the Students' Union. Tickets for the dance at \$2.00 per couple are available at the Students' Union Office.

June 2 - Spring Convocation, Part II - for graduands in Agriculture, Dental Hygiene, Dentistry, Education, Law, Medicine, Medical Laboratory Science, Nursing, Pharmacy, Physical Education, and Rehabilitation Medicine, 2:00 p.m. Jubilee Auditorium.

Convocation Tea, Lister Hall, 4:30 p.m.

June 5 - Annual Feeders' Day at the University Livestock Farm, located at 68th Ave. and 116 Street.

June 7

& 8 - Banff Conference on "Law and Order in the International Community," sponsored in part by the University of Alberta.

June 9

& 10 - First Banff Conference on Canadian Slavs, sponsored by the University's Inter-departmental Committee on Slavonic and Soviet Studies in cooperation with the Department of Extension.

Montana artist, Walter Hook, who is giving a course in Painting and Composition for the Department of Extension during the week of June 7, will give an informal talk about his work and that of artists in his region of the U.S., 8:30 p.m., Room 126 Math-Physics Building.

coming events



J. D. ROBERTS

June 28-30 - The fourth annual Reuben Benjamin Sandin Lecture series. This year's lecturer is Dr. John D. Roberts, Professor of Organic Chemistry and Chairman of the Division of Chemistry and Chemical Engineering at the California Institute of Technology at Pasadena. Dr. Roberts obtained his PhD at U. C. L. A. and taught at the Massachusetts Institute of Technology in 1953. He is a member of the National Academy of Sciences and has served on numerous advisory panels for the U.S. Government. In 1954 he received the American Chemical Society Award in Pure Chemistry, awarded annually to the most outstanding chemist under 36 years of age in North America. Dr. Roberts has contributed over 100 scientific pap-

ers and several review articles in the fields of organic reaction mechanisms and application of nuclear magnetic resonance to organic chemistry. He has also written three books. The Sandin Lectures commemorate over 40 years of outstanding service rendered to the University by Dr. R. B. Sandin, Professor Emeritus of Organic Chemistry. The three lectures will be delivered in Room V-107 of the Chemistry Building, beginning at 10 a.m. each day.

July 5 - Torches Theatre opens for a 5-week season. Two plays which have been selected are "The Hostage" by Brendan Behan, directed by Tom Peacocke, and "The Doctor in Spite of Himself" by Moliere, directed by Frank Buechert.

classified

VACANCIES: The positions of Warden in Athabasca and Pembina Halls will fall vacant this summer. Staff members interested in the possibility of living in a residence hall accommodating approximately 150 graduate and upperclass students are invited to enquire at the President's Office.

Athabasca Hall is a residence for single men students. The warden can be either a single man or a married man without children.

Pembina Hall is a residence for single women students. The Warden should be an unmarried woman.

UNITED NATIONS JOB VACANCY: The Technical Assistance Recruitment Services in the Office of Personnel at the U.N. has a vacancy for a recruitment officer in its North American Recruitment Office. The candidate should be a University graduate from about 28 to 38 years of age, and preferably a Canadian national. He should have a good working knowledge of French. The duty station would be New York. The salary would depend upon the candidate's training and experience. In general, the job involves carrying out assigned responsibilities connected with the recruitment of experts from North America for U.N. programs of technical cooperation. For further information contact the Information Officer, ext. 412.

FOR RENT: A fully furnished home in Parkview from Sept. 1/65 to Aug. 31/66, (preferably to University of Alberta staff members). This ten year old bungalow with 3 bedrooms, L-shaped living room, kitchen, bathroom, landscaped, fenced lot, full basement including washer and dryer, will rent for \$150 per month. Call Assiniboia Hall, local 20 or 488-1737.

FOR SALE: 1962 one-owner moss green Falcon with 26,000 miles. Price - \$1200. Call Dr. D. C. Triantas, Department of Physiology, ext. 582.

folio deadline is the 9th and 24th of each month